Appl. No. 10/811,154

Amdt. dated November 14, 2006

Reply to Office action of October 20, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

Claim 1. (Previously Presented) A frame assembly for a window or patio door,

the frame assembly comprising:

a) an integrally moulded unitary master frame including upper

and lower horizontal master frame members, and opposed first and second

vertical jamb members extending between the upper and lower horizontal master

frame members; and

b) an integrally moulded unitary sash frame slidably mounted

within the master frame, the sash frame including upper and lower horizontal

sash frame members, and a pair of opposed side members extending vertically

between the upper and lower horizontal sash frame members.

Claim 2. (Previously Presented) The frame assembly of claim 1 wherein the

master frame further comprises a mullion defined by a vertical member extending

contiguously from, and vertically between, the upper and lower horizontal master

frame members, the mullion being integrally moulded with the master frame, the

mullion having a vent side directed towards the first vertical jamb member and a

fixed side directed towards the second vertical jamb member.

Claim 3. (Previously Presented) The frame assembly of claim 2 wherein the

fixed side of the mullion is provided with integrally moulded glazing support

details adapted to support a fixed glazing unit between the fixed side of the

mullion and the second vertical jamb member.

Claim 4. (Previously Presented) The frame assembly of claim 2 wherein the

vent side of the mullion is provided with integrally moulded screen support details

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adapted to support a screen between the vent side of the mullion and the first

vertical jamb member.

Claim 5. (Previously Presented) The frame assembly of claim 2 wherein the

master frame and the sash frame comprise cooperating channels and projections

for supporting the sash frame within the master frame, and wherein the

projections and channels are integrally moulded with the respective sash frame

and master frame.

Claim 6. (Previously Presented) The frame assembly of claim 5 wherein the

projections comprise vertically directed tongues projecting towards the sash

frame from each of the upper and lower horizontal master frame members, and

the channels comprise grooves provided in the upper and lower horizontal sash

frame members, the grooves adapted to receive the tongues in sliding

engagement.

Claim 7. (Previously Presented) The frame assembly of claim 2 wherein the

upper horizontal master frame member comprises a first sash frame interlacing

configuration providing a first vertical clearance between vertically aligned

surfaces of the upper horizontal master frame member and the upper horizontal

sash frame member, so that the sash frame can be lifted up relative to the

master frame for installation and removal.

Claim 8. (Previously Presented) The frame assembly of claim 7 wherein the first

sash frame interlacing configuration extends longitudinally along a portion of the

length of the upper horizontal master frame member sufficient to accommodate

the length of the upper horizontal sash frame member.

Claim 9. (Previously Presented) The frame assembly of claim 8 wherein the first

sash frame interlacing configuration includes a first cavity integrally moulded in

the upper horizontal master frame member, the first cavity having a cavity length

that traverses the mullion, generally extending along the upper horizontal master

frame member from the vent side to the fixed side of the mullion.

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Claim 10. (Previously Presented) The frame assembly of claim 9 wherein the first

cavity is positioned generally at a longitudinal end of the first sash frame

interlacing configuration.

Claim 11. (Previously Presented) The frame assembly of claim 10 wherein at

least one longitudinal end of the first sash frame interlacing configuration is

defined by a vertically projecting shoulder extending from the upper horizontal

master frame member to prevent lift-up of the sash frame relative to the master

frame when the sash frame is not aligned with the first sash frame interlacing

configuration.

Claim 12. (Previously Presented) The frame assembly of claim 7 wherein the

lower horizontal master frame member is provided with a second sash frame

interlacing configuration so that the master frame can be inverted to reverse the

relative positions of the vent side and fixed side, the second sash frame

interlacing configuration providing a second vertical clearance between vertically

aligned surfaces of the lower horizontal master frame member and the lower

horizontal sash frame member, so that the sash frame can be lifted up relative to

the master frame for installation and removal of the sash frame with respect to

the master frame when the master frame is installed in the inverted position.

Claim 13. (Previously Presented) The frame assembly of claim 12 wherein the

second sash frame interlacing configuration comprises a second cavity integrally

moulded in the lower horizontal master frame member.

Claim 14. (Previously Presented) The frame assembly of claim 13 wherein the

sash frame is provided with a glider element that is adapted to bear against an

upper surface of the lower horizontal master frame member.

Claim 15. (Previously Presented) The frame assembly of claim 14 wherein the

glider element has a height that is adapted to take up the second vertical

clearance between the lower horizontal master frame member and the lower

horizontal sash frame member.

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Claim 16. (Previously Presented) The frame assembly of claim 15 wherein the glider element is selectably attachable to either one of the upper and lower horizontal sash frame members to accommodate installation of the master frame in the inverted position.

Claim 17. (Previously Presented) A frame assembly for a window or patio door, the frame assembly adapted to be installed in a wall generally separating an exterior environment and an interior environment, the frame assembly comprising:

- a) an integrally moulded unitary master frame including upper and lower horizontal master frame members, and opposed first and second vertical jamb members extending between the upper and lower horizontal master frame members;
- b) an integrally moulded unitary sash frame slidably mounted within the master frame, the sash frame including upper and lower horizontal sash frame members, and a pair of opposed side members extending vertically between the upper and lower horizontal sash frame members, the sash frame being slidable between open and closed positions within the master frame; and
- c) seal support elements integrally moulded with the master frame for securing seals to the master frame, the seals adapted to engage the sash frame for inhibiting penetration of fluid from the exterior environment to the interior environment when the sash frame is in the closed position.

Claims 18-20 (Cancelled)

Claim 21. (New) A frame assembly for a window or patio door, the frame assembly adapted to be installed in a wall generally separating an exterior environment and an interior environment, the frame assembly comprising:

(a) an integrally moulded unitary master frame including upper and lower horizontal master frame members, and opposed first and

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second vertical jamb members extending between the upper and lower horizontal master frame members;

- b) an integrally moulded unitary sash frame slidably mounted within the master frame and movable between open and closed positions, the sash frame including upper and lower horizontal sash frame members, and a pair of opposed side members extending vertically between the upper and lower horizontal sash frame members:
- (c) at least one fluid penetration flow path extending between the external and internal environments through the frame assembly when the sash frame is in the closed position; and
- (d) a weather buffering mechanism provided in the at least one fluid penetration flow path and adapted to inhibit the penetration of fluid from the exterior environment to the interior environment along the fluid penetration flow path, the weather buffering mechanism including a weather buffering chamber disposed in the at least one fluid penetration flow path and extending between an exterior seal disposed upstream of the buffering chamber and an interior seal disposed downstream of the buffering chamber.
- Claim 22. (New) The frame assembly of claim 21 wherein the buffering chamber has an exterior drain for draining liquid out of the buffering chamber and away from the interior seal.
- Claim 23. (New) The frame assembly of claim 22 wherein the weather buffering mechanism further comprises an air reservoir in fluid communication with the buffering chamber and adapted to provide a source of generally dry air to be drawn into the buffering chamber.